

10/507539

**IN THE UNITED STATES PATENT  
AND TRADEMARK OFFICE**

Serial No. : To be assigned (U.S.  
National Phase of  
PCT/JP03/03289)

Applicants : Hiroshi MORITA et al.

Filed : Concomitantly Herewith

For : APPARATUS FOR CONTINUOUS  
DISSOLUTION, PROCESS FOR  
CONTINUOUS DISSOLUTION AND  
APPARATUS FOR SUPPLYING WATER  
CONTAINING DISSOLVED GAS

Docket No. : 04556/HG

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**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**ATTENTION: MAIL STOP PCT**

S I R :

This application is a U.S. national phase application under  
35 USC 371 of International application PCT/JP03/03289.

Submitted concomitantly herewith is a copy of the  
International Search Report for PCT/JP03/03289 and an English-  
language translation thereof.

Copies of the publications cited in the aforesaid  
International Search Report are enclosed. Each of the  
publications cited in the International Search Report for  
PCT/JP03/3289 is considered relevant or material to the

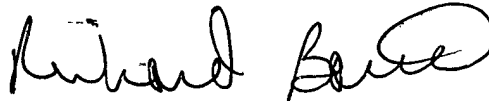
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patentability of the present invention in view of the citation thereof in said Search Report. The requirements for a concise explanation of relevancy of the publications cited in the aforesaid International Search Report are satisfied by the submission of an English-language translation of said Search Report.

The enclosed Form PTO/SB/08A lists the aforesaid publications and other publications.

It is respectfully requested that the attached publications be considered and made of record.

Respectfully submitted,



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Enclosures: (1) Copy of International Search Report  
for PCT/JP03/03289 dated July 1, 2004

(2) Form PTO/SB/08A and copies of publications  
listed thereon

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PTO/SB/08A (08-00)

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for Form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				Application Number		To be assigned (U.S. national phase application of PCT/JP03/03289)	
				Filed		Concomitantly H ere with <b>10/507539</b>	
				First Named Inventor		Hiroshi MORITA	
				Group Art Unit			
				Examiner Name			
Sheet	1	of	3	Attorney Docket Number		04556/HG	

## U.S. PATENT DOCUMENTS

Exam. Inits <sup>1</sup>	Cite No <sup>1</sup>	Document Number	Kind Code <sup>2</sup>	Name of Patentee or Applicant	Publication Date MM-DD-YYYY	Relevant Portion
		5,800,626	A	COHEN et al.	09-01-1998	
		4,595,498	A	COHEN et al.	06-17-1986	

## FOREIGN PATENT DOCUMENTS

Exam Inits <sup>1</sup>	Cite No <sup>1</sup>	Offc <sup>3</sup>	Document Number <sup>4</sup>	Kind Code <sup>5</sup>	Name of Patentee or Applicant	Publication Date MM-DD-YYYY	Relevant Portion	T <sup>6</sup>
		JP	11-138182	A	KURITA WATER IND.	05-25-1999		*
		JP	2001-79376	A	KURITA WATER IND.	03-27-2001		**
		JP	2000-271549	A	KURITA WATER IND.	10-03-2000		**
		JP	2000-216130	A	KURITA WATER IND.	08-04-2000		**
		JP	10-202242	A	NSK INSULATORS et al.	08-04-1998		
		JP	11-077021	A	KURITA WATER IND.	03-23-1999		
		JP	11-077023	A	KURITA WATER IND.	03-23-1999		
		JP	09-232270	A	SHIBAURA ENG WORKS CO. LTD.	09-05-1997		

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<sup>1</sup> Unique citation designation number. <sup>2</sup> See kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Place a check here if English translation is attached.

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\* ENGLISH-LANGUAGE ABSTRACT AND ENGLISH-LANGUAGE TRANSLATION OF CLAIM 1 AND PORTION OF SPECIFICATION ENCLOSED.

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**DT09 Rec'd PCT/PTO 13 SEP 2004**  
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				First Named Inventor		Hiroshi MORITA	
				Group Art Unit			
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		JP	2000-153139	A	PRE-TECH CO LTD	06-06-2000	**	
		JP	3029608	B1	PRE-TECH CO LTD	02-04-2000	****	
		JP	11-333475	A	TOKICO LTD	12-07-1999	**	
		JP	2001-286833	A	TOPPAN PRINTING CO	10-16-2001	**	
		JP	09-232273	A	SUMITOMO SITIX CORP.	09-05-1997	**	
		JP	10-154683	A	DAINIPPON SCREEN MFG. CO. LTD.	06-09-1998	**	
		JP	10-154685	A	DAINIPPON SCREEN MFG. CO. LTD.	06-09-1998	**	

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\*\*ENGLISH-LANGUAGE ABSTRACT ENCLOSED.

\*\*\*\*JP 3029608 IS A PATENT WHICH ISSUED FROM THE APPLN. PUBLISHED AS JP 2000-153139.

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				Filed	Concomitantly Herewith
				First Named Inventor	Hiroshi MORIYA <b>10/507539</b>
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		JP	08-281281	A	KOJIMA SEISAKUSHO:KK	10-29-1996	**	
		JP	9-501017	A	LEGACY SYSTEMS	01-28-1997	***	
		WO	95/02895	A1	LEGACY SYSTEMS	01-26-1995		
		JP	10-242107	A	IBM	09-11-1998	**	
		JP	3117427	B2	IBM	10-06-2000	****	
		JP	11-121417	A	mitsubishi elec. corp.	04-30-1999	**	

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